AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Withdrawn) A battery backup system for a sedation and analgesia system, said battery backup system comprising:
   a. a battery;
   b. a power source; and
   c. a battery controller connected to said power source and said battery wherein said battery controller determines selection of said battery or said power source.

2. (Withdrawn) The battery backup system of claim 1 wherein said battery is made of lithium ion.

3. (Withdrawn) The batter backup system of claim 1 wherein said power source further comprises of an AC power input, an AC/DC converter, and a DC power supply.

4. (Withdrawn) The battery backup system of claim 3 wherein said AC power input is a 120V wall outlet.

5. (Withdrawn) The battery backup system of claim 3 wherein said AC/DC converter changes said AC power input to said DC power supply.

6. (Withdrawn) The battery backup system of claim 1 wherein said power source is connected unidirectional to said battery controller and said battery is connected bidirectional to said battery controller.

7. (Withdrawn) A battery backup system for a sedation and analgesia system, said battery backup system comprising:
   a. a battery;

b. a power source wherein said power source further comprises of an AC power input, an AC/DC converter, and a DC power supply;

c. a battery controller connected to said power source and said battery wherein said battery controller determines selection of said battery or said power source.

8. (Withdrawn) The battery backup system of claim 7 wherein said battery is made of lithium ion.

9. (Withdrawn) The battery backup system of claim 7 wherein said AC power input is a 120V wall outlet.

10. (Withdrawn) The battery backup system of claim 7 wherein said AC/DC converter changes said AC power input to said DC power supply.

11. (Withdrawn) The battery backup system of claim 7 wherein said power source is connected unidirectional to said battery controller and said battery is connected bidirectional to said battery controller.

12. (Currently amended) A method of supplying power to a sedation and analgesia system which comprises:

a. supplying power to said sedation and analgesia system from a power source;

b. checking said power source for a disruption;

c. supplying power to said sedation and analgesia system from a battery if said disruption occurs;

d. <u>maintaining the functionality of the sedation and/or analgesia system in a variable mode during delivery of power from the battery; and</u>

<u>e.</u> switching back to said power source from said battery if said disruption is resolved.

13. (Original) A method of supplying power to a sedation and analgesia system recited in claim 12 wherein checking said power source for a disruption further includes sounding an alarm if said disruption occurs.

14. (Original) A method of supplying power to a sedation and analgesia system recited in claim 12 wherein supplying power to said sedation and analgesia system from a battery if said disruption occurs further includes checking said battery source for availability.

15. (Original) A method of supplying power to a sedation and analgesia system recited in claim 14 wherein checking said battery source for availability further includes shutting down said sedation and analgesia system if said battery source is unavailable.

16. (New) A method of supplying power to a sedation and/or analgesia system which comprises:

a. supplying power to said system from a power source;

b. checking said power source for a disruption;

c. supplying power to said system from a battery if said disruption occurs;

d. monitoring the functionality of the system; and

e. terminating the supply of power from the battery if a failure or malfunction is sensed during step (d).

17. (New) The method of claim 16 further comprising the step of maintaining the functionality of the sedation and/or analgesia system in a variable mode during delivery of power from the battery.

18. (New) The method of claim 16, wherein the step of terminating the supply of power is at the discretion of the user.

19. (New) The method of claim 16 further comprising the step of providing power for a period of time before terminating the supply of power from the battery if a failure or malfunction is sensed in step (d).